

FIG. 1a

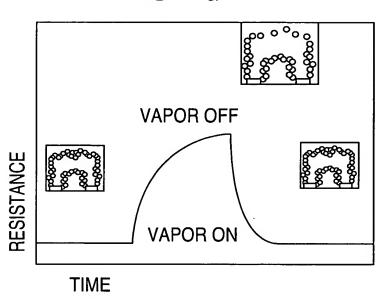
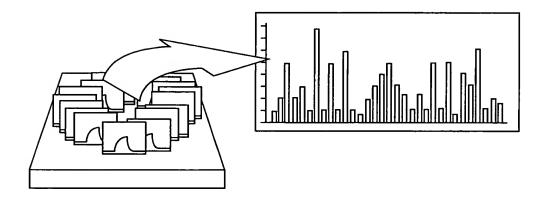
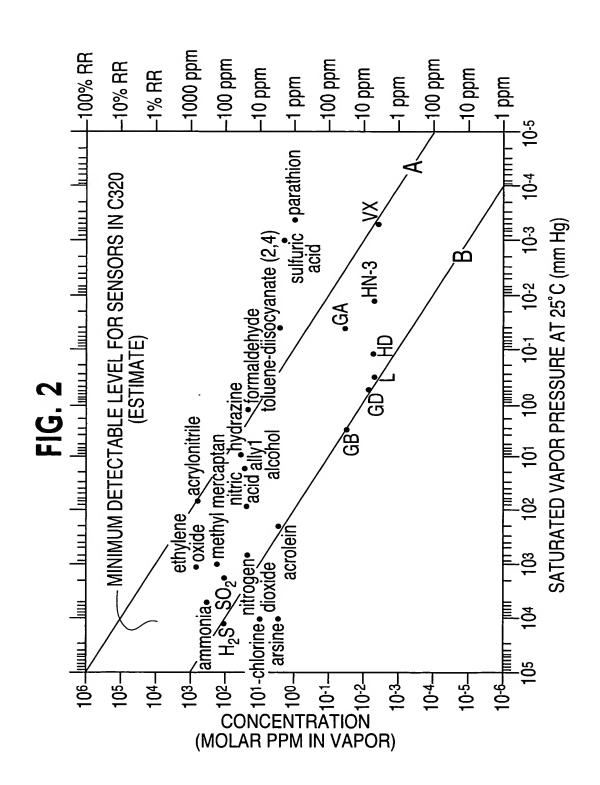
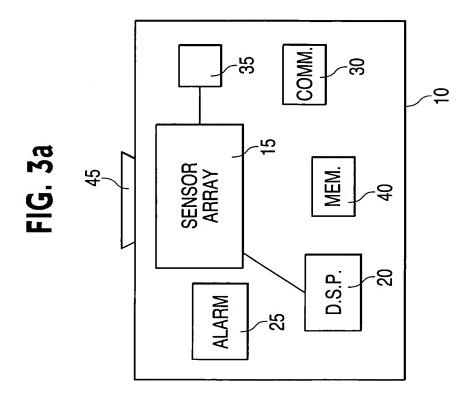


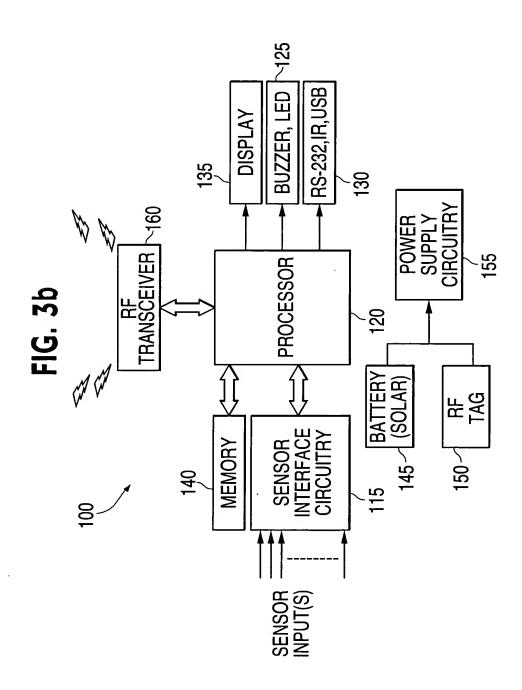
FIG. 1b



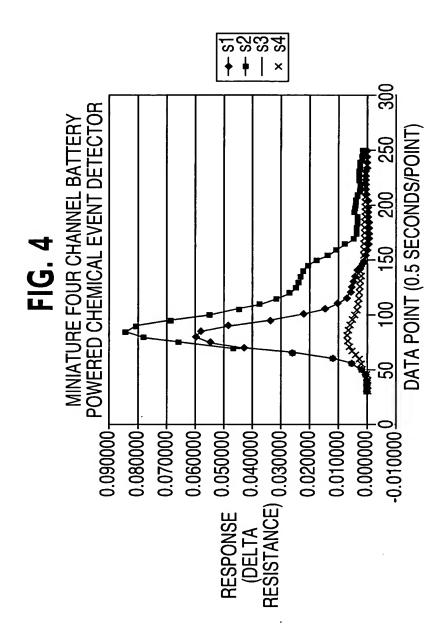
Appl. No.: 10/698,042

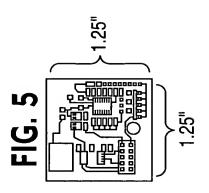






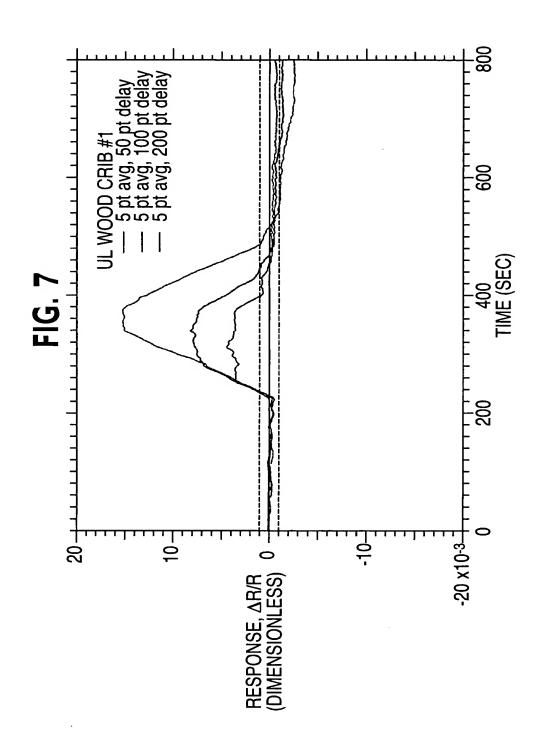
Appl. No.: 10/698,042

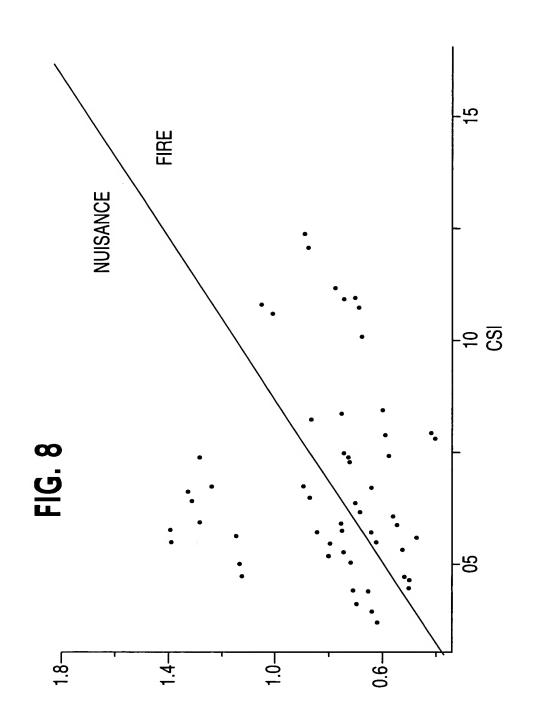




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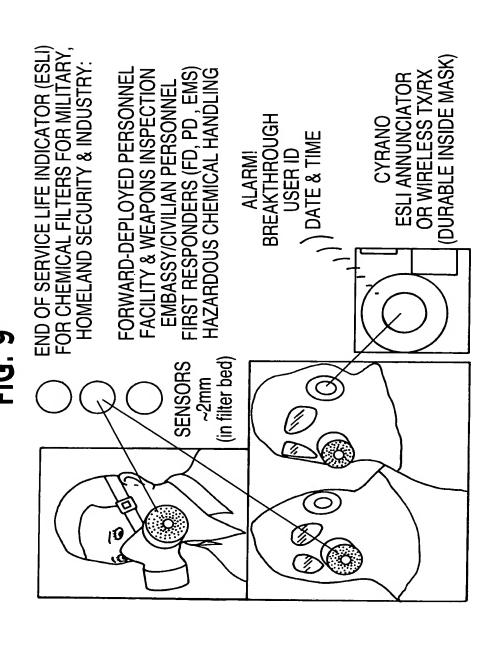
	CONNECTIVITY, COMMAND, CONTROL & COMMUNICATIONS	LARM COORDINATION: SENSOR FUSION AT NODE LEVEL AND ZONE LEVEL	ALARMS FOR ALL SENSORS ARE TRANSMITTED FROM REMOTE MONITORING UNITS (RMUs) TO THE SERVER		DATA FOR ALL SENSORS ARE TRANSMITTED FROM SENSORS TO REMOTE MONITORING UNITS (RMUS)	A C C	TEMPERATURE DETECTOR IONIZATION DETECTOR PHOTOELECTRIC DETECTOR CHEMICAL SENSOR ARRAY CO & CO <sub>2</sub> SENSORS VIDEO (VISIBLE, IR) RESPIRATOR INDICATOR STRESS/FORCE SENSOR FIREFIGHTER LOCATION  TEMPERATURE DETECTOR IONIZATION DETECTOR PHOTOELECTRIC DETECTOR IONIZATION DETECTOR IONIZATION DETECTOR PHOTOELECTRIC DETECTOR IONIZATION DETECTOR PHOTOELECTRIC DETECTOR CHEMICAL SENSOR ARRAY  TEMPERATURE DETECTOR PHOTOELECTRIC DETECTOR CHEMICAL SENSOR ARRAY
	CONNEC	ALARIM COORDII	LARMS	ALARM ALGC EACH SENSOR /	DATAFORAL	A +	TEMPERATURE DETECTOR
•	SERVER			RMUs		ZONES	SENSORS

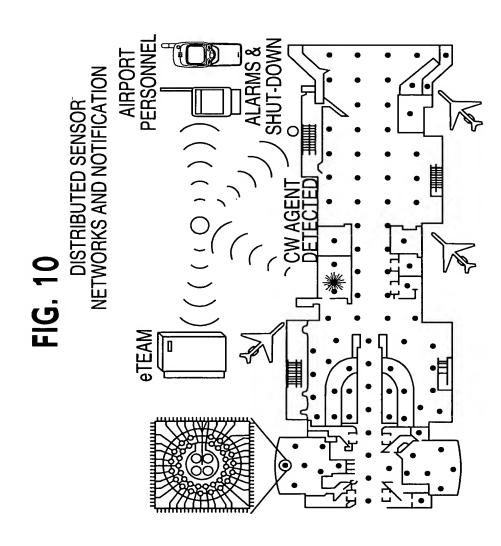


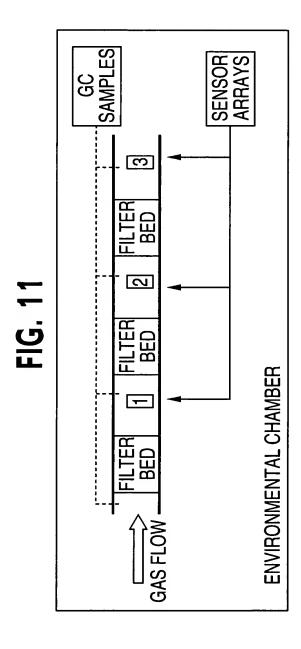


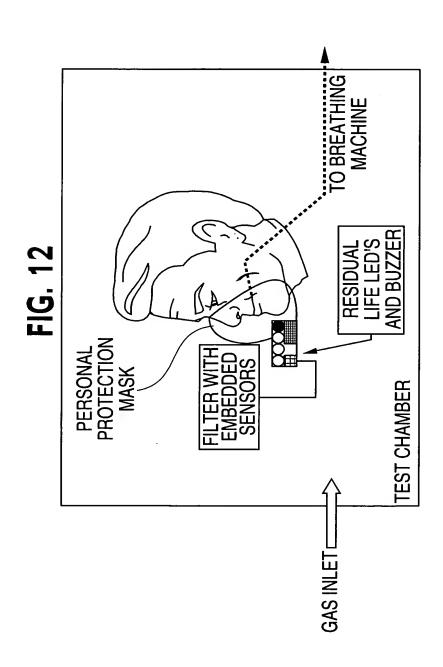
Title: CHEMICAL AND BIOLOGICAL AGENT SENSOR ARRAY DETECTORS

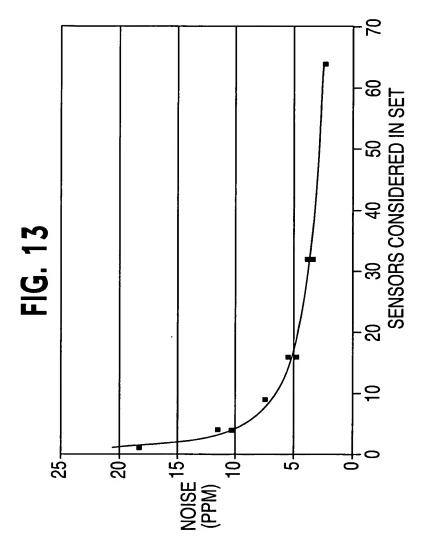
Inventor(s): Gregory Steinthal et al. Appl. No.: 10/698,042











Title: CHEMICAL AND BIOLOGICAL AGENT SENSOR ARRAY DETECTORS

Inventor(s): Gregory Steinthal et al. Appl. No.: 10/698,042

FIG. 14

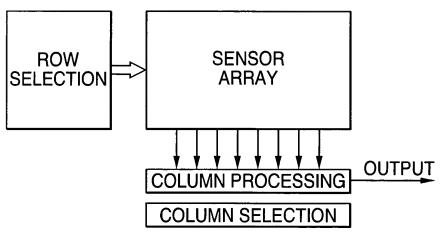
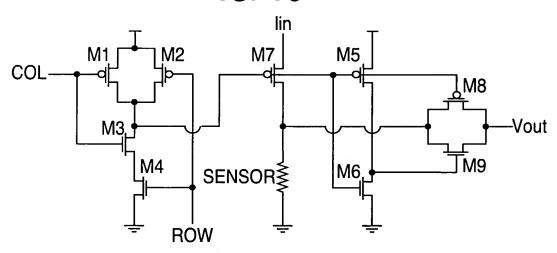


FIG. 15



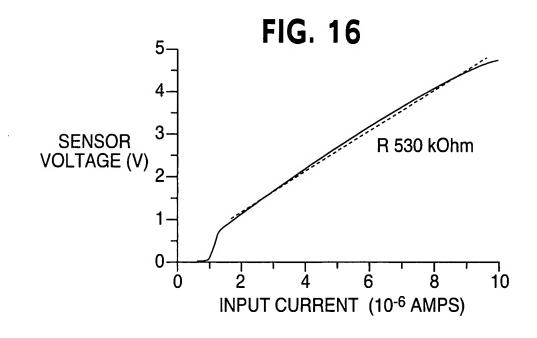
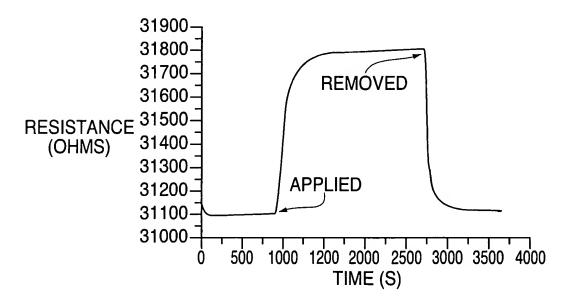
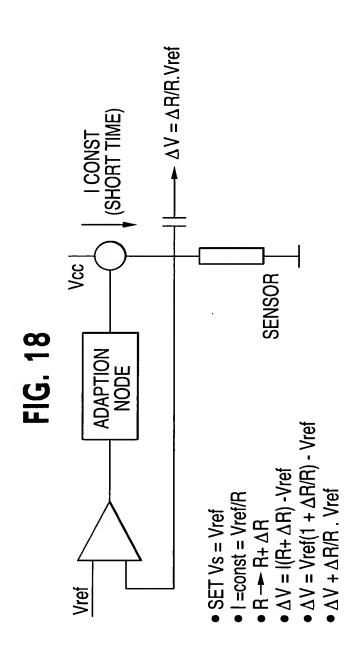


FIG. 17





C	σ	Sample #	Treatment	Solvents	Particle Size nm
5	<u> </u>	6537-57b	Poly(isobutylene) on BP700	Isopar G	150
		8847-9a	Polypropylene glycol on BP700	Xylene	180
		6537-40	Poly(acrylic ester) on BP700	Ethanol	210
		6537-51	Poly(acrylic acid) on BP700	water	210

 $\alpha$ 

**D** (C) **(p** (a)

FIG. 22

